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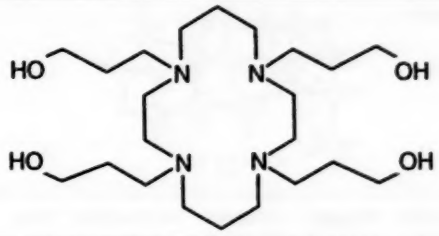

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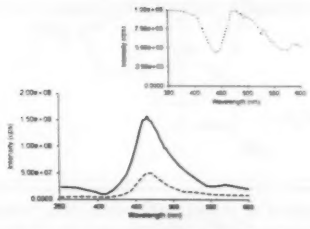

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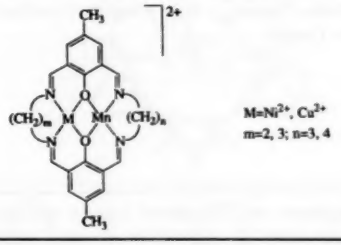

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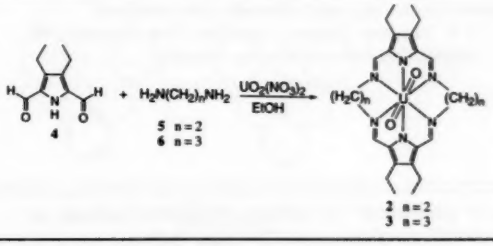

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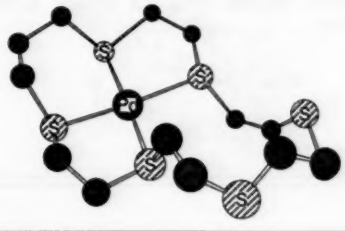

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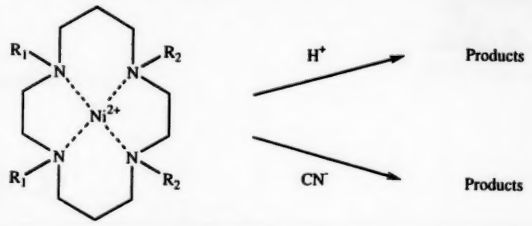

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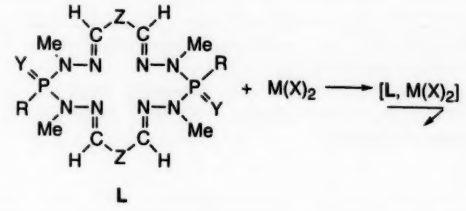

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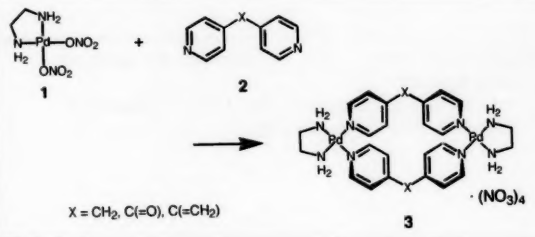

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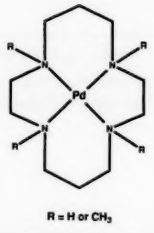

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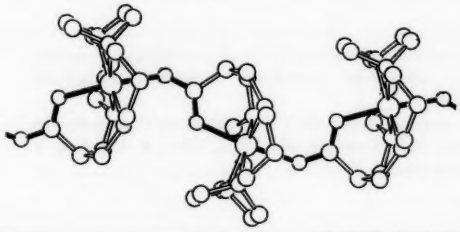

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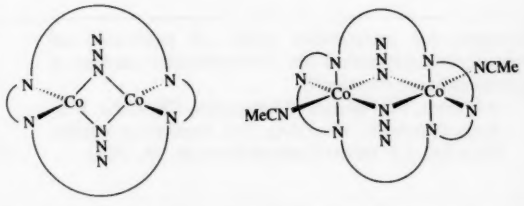

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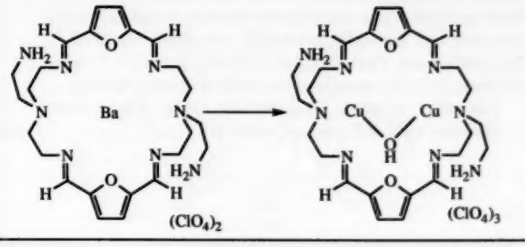

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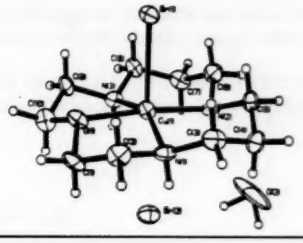

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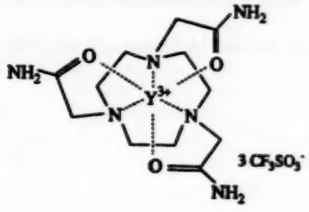

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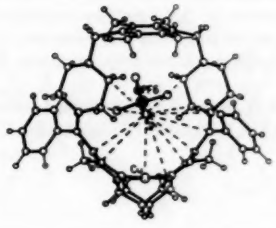

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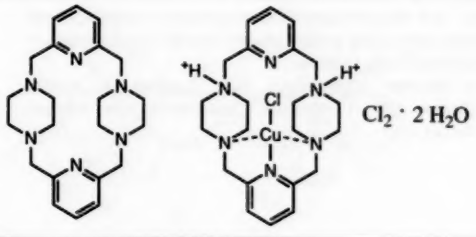

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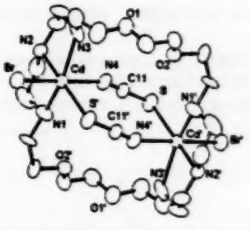

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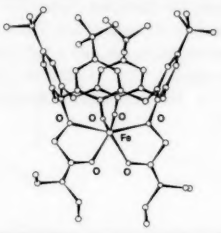

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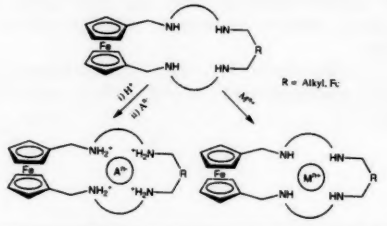

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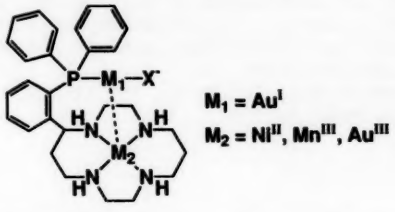

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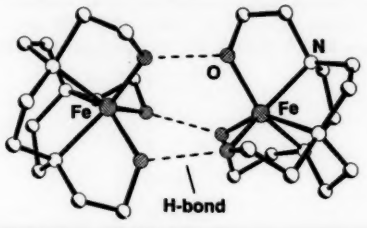

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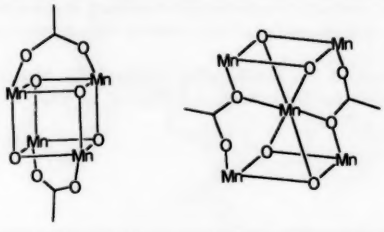

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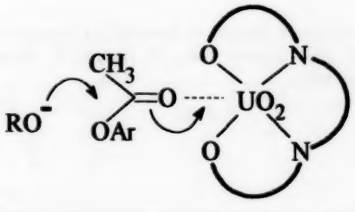

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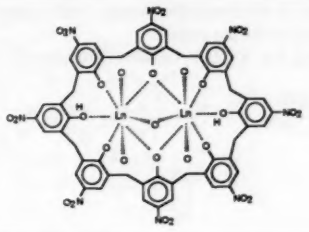

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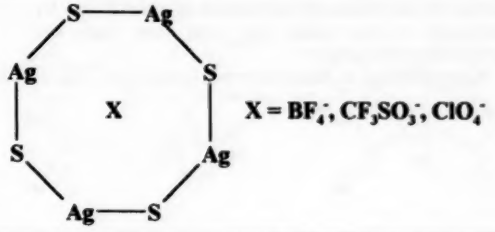

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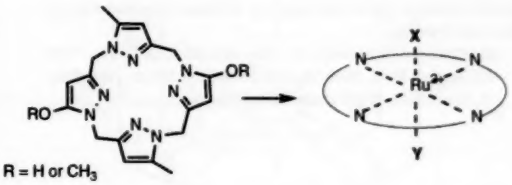

An NMR spectroscopic study of the binding of alkali metal cations and methanol by *cis*-$Mo(CO)_4\{Ph_2P(CH_2CH_2O)_n CH_2CH_2PPh_2$-P,P′} ($n$ = 4, 5) metallacrown ethers. The X-ray crystal structures of *cis*-$Mo(CO)_4\{Ph_2P(CH_2CH_2O)_4 CH_2CH_2PPh_2$-P,P′}·MeOH and *cis*-$Mo(CO)_4\{Ph_2P(CH_2CH_2)_4CH_2CH_2PPh_2$-P,P′}·$H_2O$
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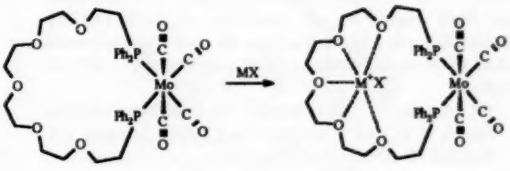

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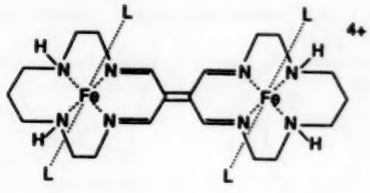

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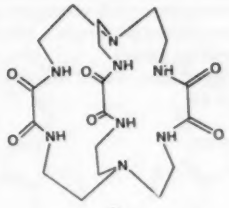

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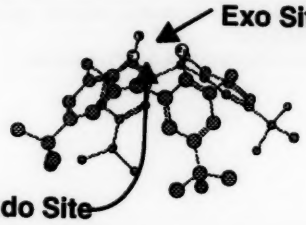

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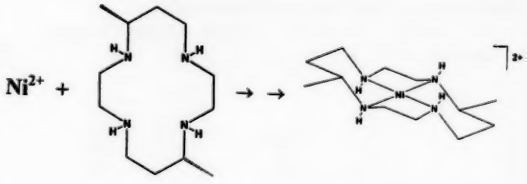

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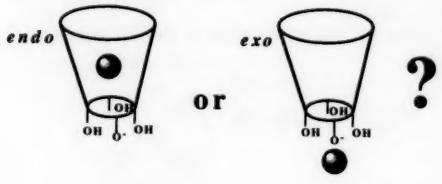

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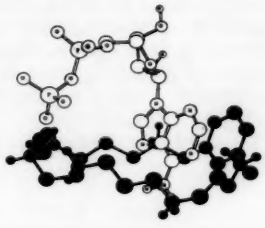

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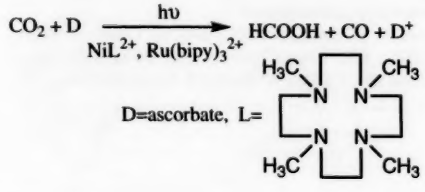

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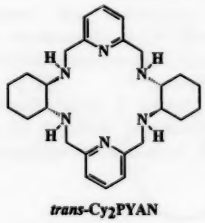

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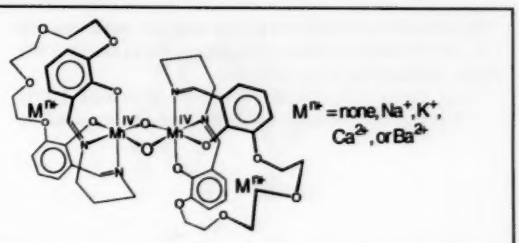

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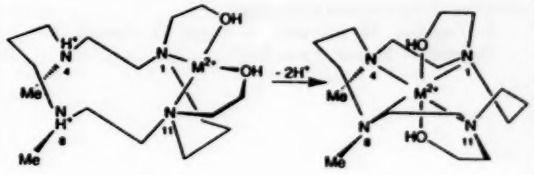

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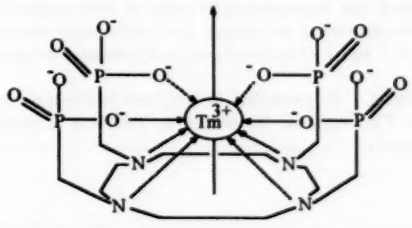

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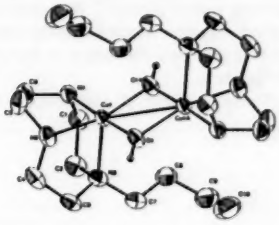

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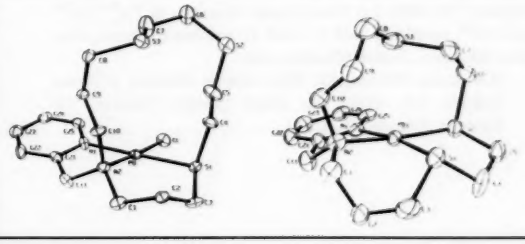

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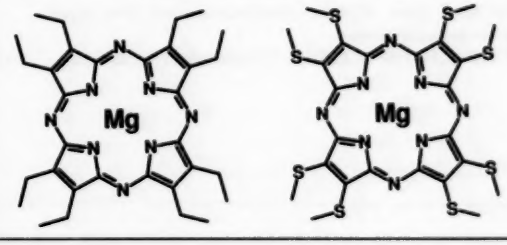

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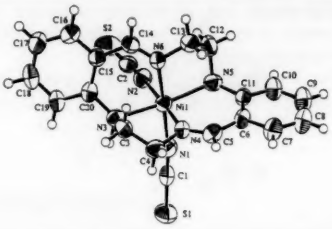

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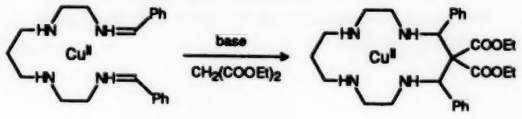

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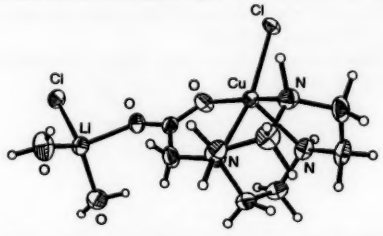

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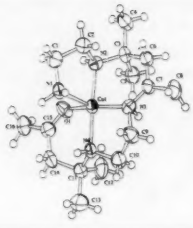

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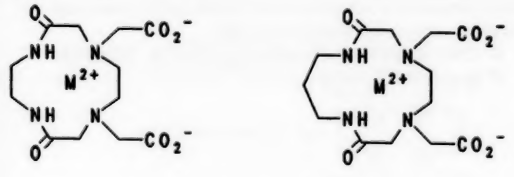

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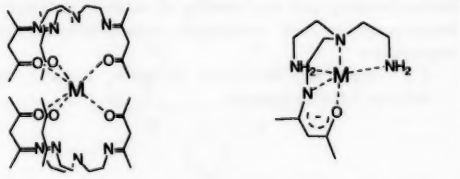

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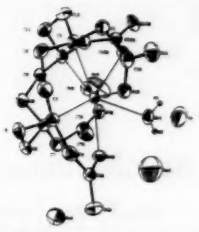

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